

Tideland Topics

REAL PEOPLE. REAL POWER.

A NEWSLETTER FOR THE MEMBER-OWNERS OF TIDELAND ELECTRIC MEMBERSHIP CORPORATION

KILL-A-WATT: Plug in meters available for member use

There's a popular business principle that says: "What cannot be measured cannot be managed." The same is true for home energy use. With the introduction of Tideland's online member portal it is now easy for members to determine how

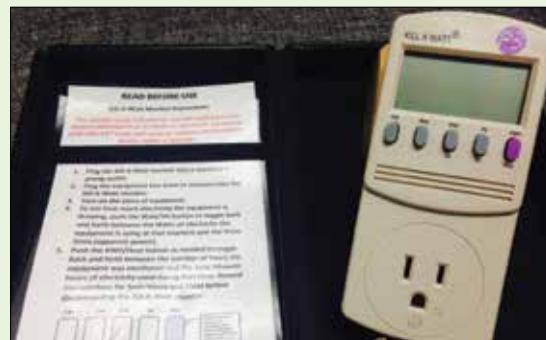
A \$35 security deposit will be billed to your electric account, which will be refunded once the unit is returned.

Use is simple: Plug the Kill-A-Watt monitor into a standard 3-prong outlet. Then plug the equipment you want to measure into the Kill-A-Watt monitor. Turn on the piece of equipment and begin monitoring.

When monitoring equipment that switches on and off, such as a refrigerator or freezer, we suggest leaving the device plugged in a minimum of 24 hours to record the total energy

use for a typical day.

The Kill-A-Watt monitor is not intended for use with appliances that exceed 1800 watts or 15 amps or 120 volts. Do not use with 240-volt loads such as water heaters, electric clothes dryers, ranges or hot tubs. The monitor has no memory or battery backup, so you'll want to record the readings before unplugging.



temperature and weather impact home heating and air conditioning use. But how much is that older model refrigerator costing you? How about that freezer sitting in an unconditioned garage or shed?

To help members calculate the cost of plug-in loads, the co-op is now making Kill-A-Watt monitors available for use. The monitoring kits can be checked out from your local Tideland EMC office.



Time-of-Use Participants: Get ready to switch

Residential time-of-use rate participants are reminded that winter on-peak hours begin on Friday, October 16. At that time we will be in winter mode and the on-peak hours to be observed are 6 am to 9 am, Monday through Friday. The following winter holidays are off-peak: Thanksgiving Day, the Friday after Thanksgiving, Christmas Day, New Years Day, and Good Friday (March 26, 2016).

Time-of-use members will continue to pay just 6.544¢ per kilowatt hour less any wholesale power cost adjustment credits. However winter on-peak demand charges drop to \$9.44 per kWd beginning November 1, 2015.

We will switch back to summer on-peak hours April 16, 2016.

Need more information? Call Heidi Smith at 252.944.2410.



Message to our Member-Owners: October is National Co-op Month

Right-of-Way Maintenance Update

Tideland has hired Lucas Tree Experts to trim trees in our right-of-way. Due to unusually wet conditions and some trouble spots that needed immediate cutting, we remain slightly behind our regular schedule.

Therefore we will finish up work in the Rose Bay area and move into Engelhard during the month of October.

Mowing crews will continue to work in tandem with contract line crews as improvements continue on the Merritt circuit and in the vicinity of the Silverhill and Edward substations.



Know what's below.
Call before you dig.

SIEMPRE
LLAMA
ANTES DE
EXCAVAR

By Paul Spruill
General Manager & CEO

This month, 47,000 cooperative businesses across the U.S. celebrate the benefits and values that co-ops bring to their members and communities.

Tideland EMC is one of more than 900 electric cooperatives serving 42 million people in 47 states. We owe our formation to a dedicated group of local citizens who believed they had just as much right to electric service as people who lived in nearby cities and towns. For-profit companies refused to extend service to these areas due to a lack of housing density and little prospect for industrial growth. Fortunately, we found a supporter in President Franklin Roosevelt who in 1935 signed the Rural Electrification Act, providing access to low interest government loans for startup and construction costs. At the time, just 10 percent of rural Americans had access to power. By 1950, 90 percent of American farms had electricity.

One of the many tasks faced by new cooperatives was to obtain easements from property owners

across whose land the new power lines would run. For-profit power companies were expected to pay for right-of-way easements. For cooperatives to pay their own members for right-of-way was inconsistent with the idea of non-profit, member ownership. Because of this cooperative spirit, REA borrowers acquired millions of



line easements at no cost which in turned saved their members millions of dollars in line building expenses.

Another co-op advantage was realized through standardizing line construction methods. In the 1930s, the typical cost for building a rural electric line was \$1,500 to \$2,000 per mile. That coupled with much lower revenues per mile of line left the REA systems vulnerable to high rates and a higher probability of loan defaults. REA engi-

neers concentrated on the problem and developed the following cost-saving measures:

1) development of high-strength, lightweight wire and cable which permitted longer spans and reduced the industry standard 30 poles per mile of line to just 18;

2) development of a two-wire, vertical design single-phase service, adequate to meet most rural needs at that time, which eliminated the expense of a crossarm attached to each pole;

3) development of an innovative "production line" technique with specialized construction crews following one another across the countryside and erecting systems at breakneck speeds.

By 1939, the cost of building a mile of line had been cut in half to \$825. A year later, REA borrowers reduced the cost further to \$720 a mile.

Today such innovation continues as we head into our 75th year of service. Times have changed but our guiding principles and founding values remain the same.

Winter rates effective November 1

Residential rates 1 and 3 will decline effective with all bills rendered as of November 1, 2015. The cost per kilowatt-hour (kWh) between November and April will be 10.58¢. The cost during summer months, May through October, is 11.495¢. Fortunately, the wholesale power cost adjustment (WPCA) credit has continued to climb after dipping to just 65¢ per 1,000 kWh. For September the credit was back up to \$3.01 per 1,000 kWh.





SYSTEMVISION TECH TIPS

AIR SEALING

BLOQUEO DE ENTRADAS DE AIRE

BAD
MAL HECHO

GOOD
BIEN HECHO

- Insulation, other than foam, will not stop air. / El único aislante que evita el paso del aire es el de espuma.
- Blocking material should be rigid. / El material para bloqueo debe ser rígido.
- The most important holes to seal lead to the attic and to the garage. / Las perforaciones que conectan al ático y al garage tienen prioridad a la hora de bloquear entradas de aire.

1

Seal All Chases From Unconditioned Space With Approved Blocking / Separe por medio de sellar con el tipo de bloqueo aprobado todos los espacios entre pared



2

Seal All HVAC Penetrations / Selle todas las perforaciones para aire acondicionado y calefacción



3

Seal All Plumbing Penetrations / Selle todas las perforaciones de plomería por arriba



4

Seal All Plumbing Penetrations / Selle todas las perforaciones de plomería por debajo



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Tideland EMC is an equal
opportunity provider & employer



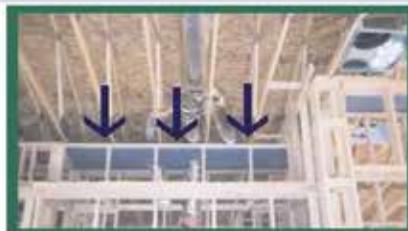
5

Seal All Electrical Penetrations / Selle todas las perforaciones eléctricas



6

Separate Dropped Ceilings And Soffits From Attic / Separe el cielo falso y los aleros del ático



7

Ensure The Home Is Completely Sealed From The Garage / Asegúrese que la casa, sin incluir el garage, quede sellada completamente



8

Seal Bottom Plate To Subfloor / Selle todas las juntas al piso falso



APPROVED MATERIALS (CHOICES MUST COMPLY WITH LOCAL CODE) / MATERIALES APROBADOS
(LO QUE ESCOJA DEBE CUMPLIR CON LOS CÓDIGOS LOCALES)

SEALANT TYPES / TIPOS DE SELLADORES

- CAULK / CALAFATEO
- FOAM GASKETS / JUNTAS DE ESPUMA
- MASTIC / MASILLA
- SPRAY FOAMS / ESPUMA EN AEROSOL

BLOCKING TYPES / TIPOS DE BLOQUEO

- ENERGY BRACE / LÁMINAS DE AISLANTE
- FOAM BOARD / PANELES DE ESPUMA
- GYPSUM BOARD / TABLA YESO
- OSB / REVESTIMIENTO OSB
- SHEET METAL / LÁMINA METÁLICA
- THERMOPLY / PANELES TÉRMICOS
- WOOD / MADERA



Time for a new heat pump?

MEMBER REBATES:

- \$75 for qualifying 15 SEER air source heat pump installations
- \$150 for qualifying 16 SEER (or higher) air source heat pump installations
- \$300 for qualifying geothermal (water source) heat pump installations

LOW-INTEREST FINANCING
5% interest for up to 60 months